

a<sup>2</sup>

Cylinder 84 of the tube retainer has an upper end wall 86 containing an inlet port 87 coaxial with inlet passage 24. Thus in an open position of the valve the chemical is aspirated up the dip tube and into the liquid carrier stream via inlet ports 87 and 24 and duct 35. A given chemical-to-water ratio can be determined by the size of inlet port 87 in the inner wall of the dip tube retainer. For a smaller chemical/water ratio a dip tube retainer having a smaller diameter inlet port 87 will be made available giving instruction to the user to simply replace one for the other. Of course should a larger chemical/water ratio is desired, a dip tube retainer having a larger diameter inlet port 87 will be made available to the user with instructions to replace that tube retainer.

IN THE CLAIMS:

a<sup>3</sup>

1. (Amended) A sprayer assembly for connection to a container of a liquid chemical to be diluted upon aspiration by a pressurized stream of carrier liquid, comprising: a housing having a carrier liquid inlet passage, a chemical liquid inlet passage and a discharge passage; a valve mounted within said housing having means for interconnecting said inlet passages in a first rotative position of the valve, said means comprising a carrier liquid duct and a chemical liquid duct both integrally formed in said valve and opening into said carrier liquid duct, said valve being manually rotatable about an axis perpendicular to both said carrier liquid duct and said chemical liquid duct, and said valve having means for closing the inlet passages in a second rotative position of the valve.

25